Matrix of Smoke Parameter by Method of Data Collection
[Note: Bold print represents preferred method(s) of data collection for given parameter.]

Parameter	Ques-tion-naire	Butt Collec-tion	Diary (Man-ual)	Diary (Com-puter)	Video	Filter Measure ment	Puff Trans-fuser	Pletys mo-graphy	Biomar ker	Observa-tional Methods
Number (#) of cigarettes smoked	**X**[1]	X	X	X	**X**					X
Brand selection by yield	**X**[1]	X	X		**X**					
# Puffs / cigarette			X	X	**X**		**X**	X		X
Puff Interval/ frequency	X				**X**		**X**	X		X
Puff Volume	X				**X**		**X**	X		
Puff Duration	X				**X**		**X**	X		X
Puff pressure applied							**X**			
Puff flow rate							**X**			
Butt length	X	X					**X**	X		
Filter vent blocking	X		X	X	**X**					X
Depth of inhalation	X				**X**			X		X
Mouth spill					**X**					X
Inhalation duration	X				**X**			X		
Uptake						X			X	
Distribution, metabolism, and excretion									X	

[1]Preferred method for documenting long-term or historical information.

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